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25559 7590 05/02/2006

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Karin Szypszak (Depositor's name)
 Karin Szypszak (Signature)
 July 27, 2006 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/672,051	09/26/2003	W. Karl Olander	ATMI-622-CIP	7179

TITLE OF INVENTION: SEMICONDUCTOR MANUFACTURING FACILITY UTILIZING EXHAUST RECIRCULATION
 07/27/2006 CNGUYEN1 00000078 10672051

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	08/02/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
PHAM, MINH CHAU THI	1724	055-385200

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

- 1 Steven J. Hultquist
 Intellectual Property/
 Technology Law
 3 Maggie Chappuis

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Advanced Technology Materials, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Danbury, CT

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies

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☒ The Director is hereby authorized by charge the required fee(s) or credit any overpayment, to Deposit Account Number 08-3284 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Date July 27, 2006

Typed or printed name Steven J. Hultquist

Registration No. 28,021

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re United States Patent Application of:)	Docket No.:	2771-622-CIP-RCE
)		
Applicants:)	Conf. No.:	7179
OLANDER, W. Karl, et al.)		
)		
Application No.:)	Art Unit:	1724
10/672,051)		
Date Filed:)	Examiner:	Minh Chau Thi
September 27, 2005)	Pham	
)		
Title:)	Customer No.:	
SEMICONDUCTOR)		
MANUFACTURING)		
FACILITY UTILIZING)		
EXHAUST RECIRCULATION)		

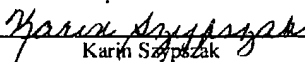
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FACSIMILE TRANSMISSION CERTIFICATE**ATTN: Examiner Minh Chau Thi Pham****Fax No. (571) 273-2885**

I hereby certify that this document, along with any enclosures identified herein, is being filed in the United States Patent and Trademark Office, via facsimile transmission to Mail Stop: Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date specified below, to United States Patent and Trademark Office facsimile transmission number (571) 273-2885.

4 pages

Number of Pages (including cover)


Karin SzypczakJuly 27, 2006

Date

SUBMISSION OF ISSUE FEE IN U.S. PATENT APPLICATION NO. 10/672,051

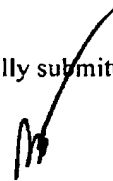
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2771-622-CIP-RCE

Sir:

Enclosed is the Issue Fee Transmittal, along with a Credit Card Form authorizing the Commissioner for Patents to charge the total amount of \$1,700.00 (\$1,400.00 for the issue fee and \$300.00 for the publication fee), in response to the Notice of Allowance dated May 2, 2006 in the above-identified patent application. The Commissioner is requested to charge any deficiency or credit any overpayment to Deposit Account No. 08-3284 of Intellectual Property/Technology Law.

Respectfully submitted,



Steven J. Hultquist
Reg. No. 28,021
Attorney for Applicants

INTELLECTUAL PROPERTY/
TECHNOLOGY LAW
Phone: (919) 419-9350
Fax: (919) 419-9354
Attorney File No.: 2771-622-CIP-RCE

Enclosures:
Issue Fee Transmittal [1 pg.]
Credit Card Form [1 pg.]

<p>The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284</p>
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